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Application S/ N 10/625,138
Amendment/Response Dated August 14, 2006
Reply to Office Action Mailed on January 16, 2007

COMPLETE LISTING OF ALL CLAIMS

Claim 1 (Canceled)

Claim 2 (Canceled)

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Claim 18 (Canceled)

Claim 19 (Canceled)

Claim 20 (Canceled)

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Claim 21 (Currently Amended): A method for preparing a consumable nutritional mineral supplement composition comprising the steps of:

- a) providing selectively varying plant material depending upon the analyzed mineral content of said plant material;
- b) oxidizing by burning said plant material down to an ash form;
- c) reacting said ash form of said plant material with organic acids, resulting in a reacted form of plant ash in suspension form;
- d) isolating said reacted form of plant ash in solid form by filtration, concentration, crystallization, and evaporation; and
- e) processing said isolated reacted form of plant ash in solid form for the purpose of making a consumable nutritional mineral supplement composition by grinding and powdering;
- f) further processing said isolated reacted form of plant ash in powdered form by homogenization, pasteurization and sterilization; and

~~whereby the resulting consumable mineral supplement is a homogenous sterile powder for human and animal consumption having selectively varying mineral content depending upon said varied plant material provided in step a).~~

g) wherein said powdered form is processed into a suspension form, wherein said suspension form is an aqueous suspension;

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and further wherein said aqueous suspension form is further treated with carbon dioxide, and processed into tablet form, such that when said carbon dioxide processed tablet form is added to a liquid beverage, produces carbon dioxide gas causing the solution to effervesce, resulting in a carbonated mineral supplement in the form of a refreshing drink;

whereby the resulting consumable mineral supplement is a homogenous sterile powder for human and animal consumption having selectively varying mineral content depending upon said varied plant material provided in step a).

Claim 22 (Original): The method of preparing a consumable nutritional mineral supplement composition according to claim 21, wherein said step of isolating said reacted form of plant ash in solid form, solution form or suspension form further includes the steps of heating and dilution.

Claim 23 (Original): The method of preparing a consumable nutritional mineral supplement composition according to claim 21, wherein said step of providing varying plant material further includes providing plant material having a varied mineral content depending upon the genus of the plant, soil in which the plant is grown and the exposure of the plant to external sources of contamination.

Claim 24 (Currently Amended): The method of preparing a consumable nutritional mineral supplement composition according to claim 21, wherein said step of reacting said ash form of ~~said uncontaminated plant material~~ with organic acids further includes reacting said ash form of ~~said uncontaminated plant material~~ with organic acids selected from the group consisting of lactic acid, citric acid, acetic acid, malic acid, gluconic acid, saccharic acid, orotic acid, and ascorbic acid.

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Claim 25 (Currently Amended): The method of preparing a consumable nutritional mineral supplement composition according to claim 21, wherein said step of reacting said ash form of ~~said uncontaminated plant material~~ with organic acids further includes replacing said organic acid with an inorganic acid.

Claim 26 (Currently Amended): The method of preparing a consumable nutritional mineral supplement composition according to claim 21, wherein said step of reacting said ash form of ~~said uncontaminated plant material~~ with organic acids further includes mixing said organic acid with an inorganic acid.

Claim 27 (Original): A consumable nutritional mineral supplement composition prepared according to claim 21, comprising a non-homogenous, non-sterile solid powdered form.

Claim 28 (Original): The consumable nutritional mineral supplement composition prepared according to claim 21, wherein said solid powdered form is compressed into pill tablets for oral consumption by humans and animals.

Claim 29 (Original): The consumable nutritional mineral supplement composition prepared according to claim 21, wherein said solid powdered form is encapsulated into gelatin capsules for oral consumption by humans and animals.

Claim 30 (Original): The consumable nutritional mineral supplement composition prepared according to claim 21, wherein said solid powdered form is added directly to animal feeds for oral consumption by animals.

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Claim 31 (Original): A consumable nutritional mineral supplement composition prepared according to claim 21, comprising plant ash reacted with organic or inorganic acid, isolated, and processed into a homogenous sterile solution form.

Claim 32 (Original): The consumable nutritional mineral supplement composition according to claim 31, wherein said homogenous sterile solution form comprises a suspension.

Claim 33 (Original): The consumable nutritional mineral supplement composition according to claim 32, wherein said suspension is an aqueous suspension.

Claim 34 (Original): The consumable nutritional mineral supplement composition according to claim 33, wherein said suspension is a colloidal suspension.

Claim 35 (Original): The consumable nutritional mineral supplement composition prepared according to claim 31, wherein said solution form is mixed with natural or artificial sweeteners, fragrances, food colorings and/or preservatives.

Claim 36 (Original): The consumable nutritional mineral supplement composition prepared according to claim 31, wherein said solution form is fortified by addition of vitamin D₃.

Claim 37 (Cancelled)

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Claim 38 (Currently Amended): The consumable nutritional mineral supplement composition according to claim [36]21, wherein said carbon dioxide processed tablet form is added to fruit or vegetable juice.